

Duplexers



The use of Duplexers can permit single antenna working for transmit and receive, reducing the number of antennas and tower loading. This closely matches receive and transmit coverage due to the identical antenna pattern. DrawCom's silver plated combline filters offer excellent intermodulation performance. This is critical to system operation, since duplexers are used on both transmit and receive ports of a base station.

Standard versions are available for either wall or 19" rack mounting. These products can also be repackaged to fit particular requirements, for example, where space is at a premium.

- Low insertion loss
- Good TX/RX isolation
- Compact design
- IM3 <-110dBm
- Bandstop or Bandpass function

Selection Guide: VHF Duplexers

Part No.		16-002911	16-073101
Passband (MHz)	TX	154-156	166-166.8
	RX	160-162	171-171.6
Insertion Loss (dB)	TX	2.0 max	1.8 typical
	RX	2.0 max	1.8 typical
Rejection (dB)	TX	160-162 MHz > 60	166-166.8 MHz > 75
	RX	154-156 MHz > 60	171-171.6 MHz > 75
Power Rating (W)	TX	100	100
	RX	100	100
Impedance (ohm)		50	50
VSWR		Better than 1.2:1	Better than 1.2:1
Connectors		BNC female	N type female

Selection Guide: UHF Duplexers

Part No.		16-014901	16-073101
Passband (MHz)	TX	426-428	439.8-441.8
	RX	416-418	449.8-451.8
Insertion Loss (dB)	TX	2.0 typical	1.5 typical
	RX	2.0 typical	1.5 typical
Rejection (dB)	TX	416-418 MHz > 70	439.8-441.8 MHz > 80
	RX	426-428 MHz > 70	449.8-451.8 MHz > 80
Power Rating (W)	TX	50	250
Impedance (ohm)		50	50
VSWR		Better than 1.2:1	Better than 1.2:1
Connectors		N type female	N type female